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TRANSMITTAL FORM

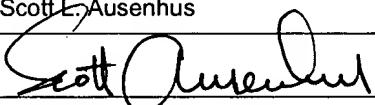
(to be used for all correspondence after initial filing)

		Application Number	08/974,584
		Filing Date	November 19, 1997
		First Named Inventor	Cech, Thomas
		Art Unit	1634
		Examiner Name	Myers, Carla J.
Total Number of Pages in This Submission		Attorney Docket Number	015389-002950US

ENCLOSURES (Check all that apply)

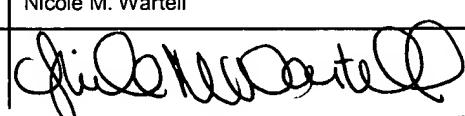
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Appointment of Associate Attorney under 37 CFR § 1.23(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard, copies of eighteen (18) cited references	
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP Scott L. Ausenhus	Reg. No. 42,271
Signature		
Date	February 12, 2004	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Nicole M. Wartell		
Signature		Date	February 12, 2004

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180)

Complete If Known	
Application Number	08/974,584
Filing Date	November 19, 1997
First Named Inventor	Cech, Thomas
Examiner Name	1634
Art Unit	Myers, Carla J.
Attorney Docket No.	015389-002950US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Fees from below			Fee Paid
	Extra Claims	X	=	
Independent Claims				
Multiple Dependent		X	=	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

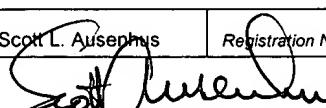
SUBTOTAL (2) (\$)

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	Surcharge - late filing fee or oath	
		1052	50	Surcharge - late provisional filing fee or cover sheet	
		1053	130	Non-English specification	
		1812	2,520	For filing a request for reexamination	
		1804	920*	Requesting publication of SIR prior to Examiner action	
		1805	1,840*	Requesting publication of SIR after Examiner action	
		1251	110	Extension for reply within first month	
		1252	410	Extension for reply within second month	
		1253	930	Extension for reply within third month	
		1254	1,450	Extension for reply within fourth month	
		1255	1,970	Extension for reply within fifth month	
		1401	320	Notice of Appeal	
		1402	320	Filing a brief in support of an appeal	
		1403	280	Request for oral hearing	
		1451	1,510	Petition to institute a public use proceeding	
		1452	110	Petition to revive - unavoidable	
		1453	1,300	Petition to revive - unintentional	
		1501	1,300	Utility issue fee (or reissue)	
		1502	470	Design issue fee	
		1503	630	Plant issue fee	
		1460	130	Petitions to the Commissioner	
		1807	50	Petitions related to provisional applications	
		1806	180	Submission of Information Disclosure Stmt	180
		8021	40	Recording each patent assignment per property (times number of properties)	
		1809	750	Filing a submission after final rejection (37 CFR § 1.129(a))	
		1810	750	For each additional invention to be examined (37 CFR § 1.129(b))	
		1801	750	Request for Continued Examination (RCE)	
		1802	900	Request for expedited examination of a design application	
		Other fee (specify) _____			
		*Reduced by Basic Filing Fee Paid			
		SUBTOTAL (3) (\$180)			

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Scott L. Ausephus	Registration No. (Attorney/Agent)	42,271	Telephone	303-571-4000
Signature				Date	February 12, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

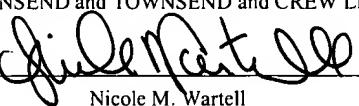
O P E
FEB 17 2004
PATENT & TRADEMARK OFFICE
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
Attorney Docket No.: 015389-002950US
Client Reference No.: 18/206P2

On February 12, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: 

Nicole M. Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CECH et al.

Application No.: 08/974,584

Filed: November 19, 1997

For: TELOMERASE REVERSE
TRANSCRIPTASE

Examiner: Myers, Carla J.

Art Unit: 1634

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed.

Applicants also wish to make the Examiner aware of the following co-pending patent applications:

1. U.S. Patent App. No. 09/432,503, filed 11-02-1999, Applicant Cech et al., Attorney Docket No. 015389-0002611US;
2. U.S. Patent App. No. 09/721,477, filed 11-22-2000, Applicant Cech et al., Attorney Docket No. 015389-002914US;

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3. U.S. Patent App. No. 09/721,506, filed 11-22-2000, Applicant Cech et al., Attorney Docket No. 015389-002916US; and

To comply with 37 CFR §1.98(a)(2)(iii), the specifications, drawings and currently pending claims for U.S. Application No. 09/432,503 (Attorney Docket No. 015389-002611US) are enclosed. The currently pending claims from U.S. Application Nos. 09/721,477 (Attorney Docket No. 015389-002614US) and 09/721,506 (Attorney Docket No. 015389-002616US) are also enclosed; copies of the specification and drawings for these latter two applications are not enclosed because these applications are the same as US Application No. 09/432,503.

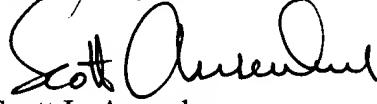
It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Scott L. Ausenhus
Reg. No. 42,271

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 303-571-4000
Fax: 303-571-4321
SLA:nmb

60115095 v1



Substitute for form 1449A/PTO				Complete if Known	
				Application Number	08/974,584
				Filing Date	November 19, 1997
				First Named Inventor	Cech, Thomas R.
				Art Unit	1634
				Examiner Name	Myers, Carla J.
Sheet	1	of	2	Attorney Docket Number	015389-002950US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-6,440,735 B1	08-27-2002	Gaeta	
	A2	US-6,444,650 B1	09-03-2003	Cech et al.	
	A3	US-6,517,834 B1	02-11-2003	Weinrich et al.	
	A4	US-6,608,188 B1	08-19-2003	Tsuchiya et al.	
	A5	US-6,627,619 B2	09-30-2003	Cech et al.	
	A6	US 2002-0164786 A1	11-07-2002	Cech et al.	
	A7	US 2002-0187471 A1	12-12-2002	Cech et al.	
	A8	US 2003-0009019 A1	01-09-2003	Cech et al.	
	A9	US 2003-0032075 A1	02-13-2003	Cech et al.	
	A10	US 2003-0044953 A1	03-06-2003	Cech et al.	
	A11	US 2003-0059787 A1	03-27-2003	Cech et al.	
	A12	US 2003-0096344 A1	05-22-2003	Cech et al.	
	A13	US 2003-0100093 A1	05-29-2003	Cech et al.	
	A14	U.S. Application No. 09/432,503		Cech et al.	
	A15	U.S. Application No. 09/721,477		Cech et al.	
	A16	U.S. Application No. 09/721,506		Cech et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)		
	B1	CA	2271718 A1	05-22-1998	
	B2				

Examiner Signature	Date Considered
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

60115095 v1



Substitute for form 1449B/PTO				Complete if Known	
				<i>Application Number</i>	08/974,584
				<i>Filing Date</i>	November 19, 1997
				<i>First Named Inventor</i>	Cech, Thomas R.
				<i>Art Unit</i>	1634
				<i>Examiner Name</i>	Myers, Carla J.
Sheet	2	of	2	Attorney Docket Number	015389-002950US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C1	ADAMS, MARK et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence" <i>The Genome Directory: Supplement to Nature</i> 28 September 1995, 1995, pp. 3-174, Vol. 377, Issue 6547S.		
	C2			

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.